What is claimed is:

1. An organic electroluminescent element comprising an anode, organic layers and a cathode piled one upon another on a substrate wherein at least one of the organic layers is a light-emitting layer containing a host material and a dopant material and a pyrazole-derived compound having 2-4 pyrazole structures represented by the following formula I in the same molecule is used as said host material:

(Chem 1)

$$Ar_1$$
 $Ar_3$ 
 $Ar_2$ 
 $Ar_3$ 
 $Ar_2$ 

wherein, Ar<sub>1</sub>-Ar<sub>3</sub> are independently hydrogen or substituted or unsubstituted aromatic hydrocarbon groups and at least one of Ar<sub>1</sub>-Ar<sub>3</sub> is a group other than hydrogen.

2. An organic electroluminescent element as described in claim 1 wherein the pyrazole-derived compound is represented by the following formula II:

(Chem 2)

$$Ar_{1} \xrightarrow{Ar_{3}} Ar_{2} \xrightarrow{N N} Ar_{1}$$

$$Ar_{2} Ar_{3} Ar_{3}$$

$$Ar_{1} \xrightarrow{Ar_{2}} Ar_{3}$$

$$Ar_{1} \xrightarrow{Ar_{2}} Ar_{3}$$

$$Ar_{2} Ar_{3} \xrightarrow{Ar_{3}} Ar_{1}$$

wherein,  $Ar_1$ - $Ar_3$  are independently hydrogen or substituted or unsubstituted aromatic hydrocarbon groups, at least one of  $Ar_1$ - $Ar_3$  is a group other than hydrogen and  $X_1$  is a direct bond or a substituted or unsubstituted divalent aromatic hydrocarbon group.

3. An organic electroluminescent element as described in claim 2 wherein Ar<sub>1</sub> and Ar<sub>2</sub> are aromatic hydrocarbon groups and Ar<sub>3</sub> is hydrogen or an aromatic

hydrocarbon group in the compound represented by formula II.

- 4. An organic electroluminescent element as described in claim 2 or 3 wherein Ar<sub>1</sub> and Ar<sub>2</sub> are phenyl groups, Ar<sub>3</sub> is hydrogen or phenyl group and X<sub>1</sub> is phenylene group in the compound represented by formula II.
- 5. An organic electroluminescent element as described in any one of claims 1 to 4 wherein the dopant material comprises at least one metal complex selected from phosphorescent ortho-metalated metal complexes and porphyrin metal complexes.
- 6. An organic electroluminescent element as described in claim 5 wherein the metal complex comprises at least one metal selected from ruthenium, rhodium, palladium, silver, rhenium, osmium, iridium, platinum and gold at its center.
- 7. An organic electroluminescent element as described in any one of claims 1 to 6 wherein a hole-blocking layer or an electron-transporting layer or both are disposed between the light-emitting layer and the cathode.